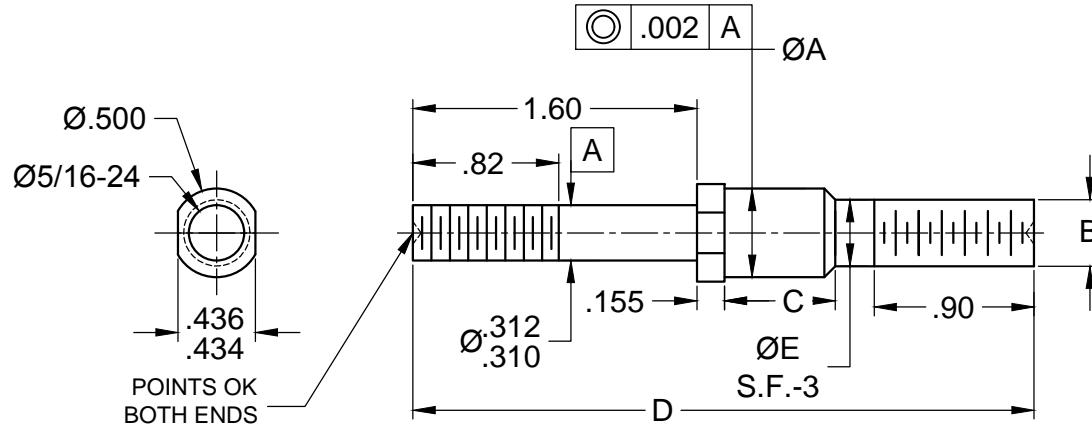


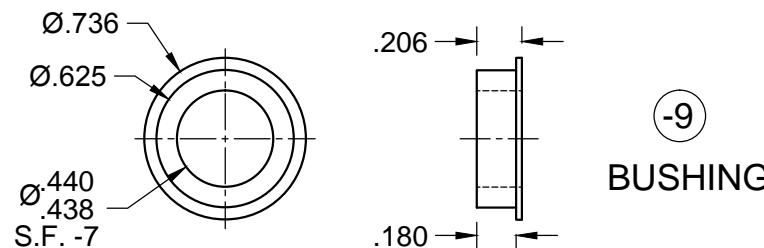
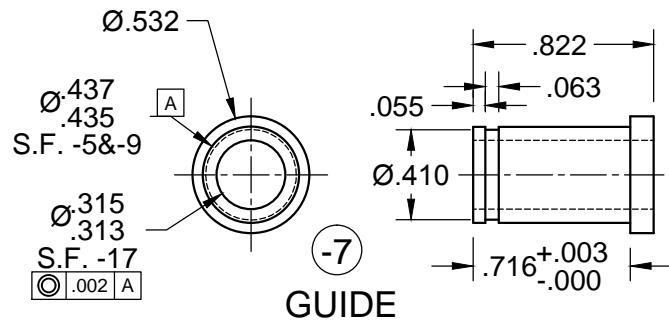
-11

STUD



BEARING #	TOOL #	ØA +.000 -.002	B	C +.000 -.010	D +.010 -.010	ØE +.000 -.002	MATERIAL	-27 SWIVEL FLANGE NUT
BACB10								
FB04-AMT	KSCFB04P	.248	1/4-20 UNC	-	2.875	.248	4140 Q&T RND. BAR Ø1/2 x 3	1/4-20 UNC MCMASTER-CARR PN: 90477A029
FB06	KSCFB06P	.373	3/8-16 UNC	-	3.500	.373	4140 Q&T RND. BAR Ø1/2 x 3-5/8	3/8-16 UNC MCMASTER-CARR PN: 90477A031
FB07	KSCFB07P	.435	3/8-16 UNC	.625	3.500	.373	4140 Q&T RND. BAR Ø1/2 x 3-5/8	3/8-16 UNC MCMASTER-CARR PN: 90477A031

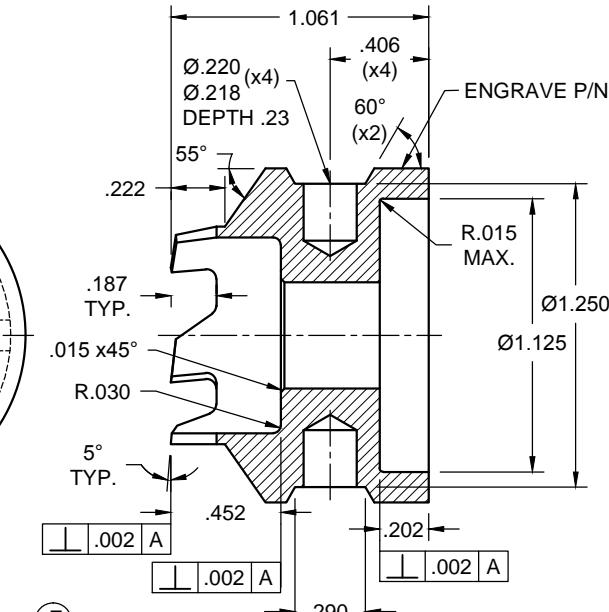
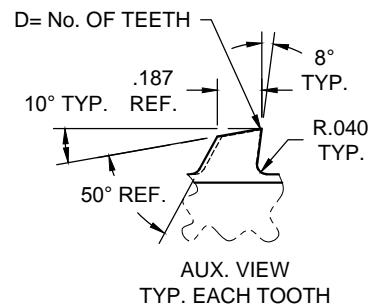
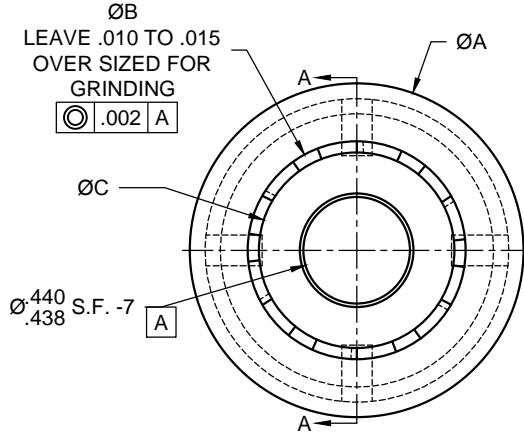
RB RED BARN MACHINE	
TITLE PORT. BEARING CUTTER; STUD	
DWG NO.	TOOL#(see chart)-11
REV 2	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS	FRACTIONS ± 1/32
XXX ± .005	
XX ± .01	ANGLES ± .5°
X ± .1	
APPROVED	
HEAT TREAT	
FINISH SPEC	BLACK OXIDE
USED ON BEARING	
SEE CHART	
UNLESS OTHERWISE SPECIFIED	
1. BREAK ALL SHARP EDGES .015 x 45° PR.015 R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE	NTS
DATE	3-26-08
SHEET	6 of 6



NOTE

1. DIMENSIONS FOR -7 & -9 ARE STANDARD FOR THESE PORTABLE BEARING CUTTERS.

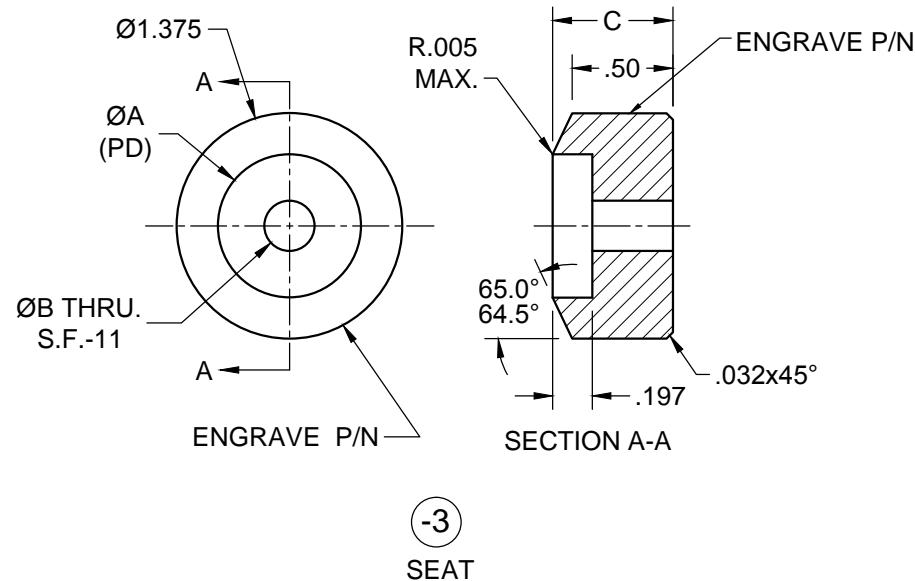
PART #	DESCRIPTION	MATERIAL		
-7	GUIDE	BRONZE	RND. BAR	Ø5/8 x 1
-9	BUSHING	BRONZE	RND. BAR	Ø3/4 x 3/8



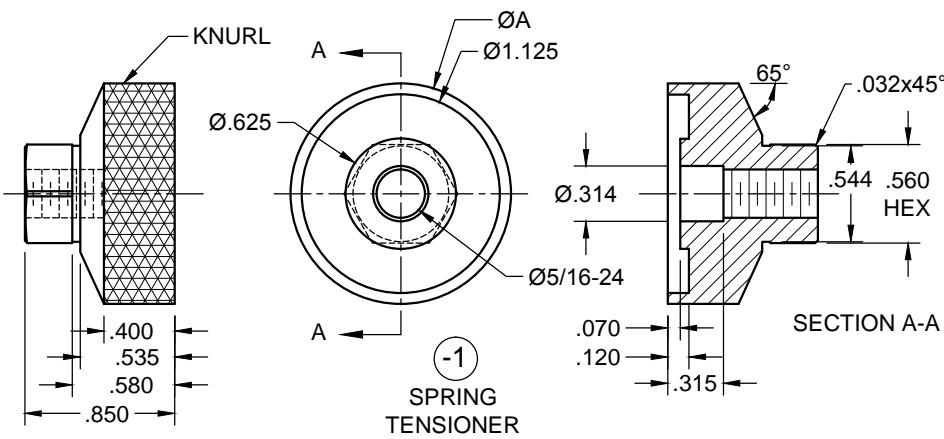
SECTION A-A

BEARING #	TOOL #	ØA +.000 -.010	ØB +.000 -.002	ØC +.000 -.005	D TOOTH AMT.	BRG. O.D.	MATERIAL
BACB10	KSCFB04P	1.375	.677	.557	6	.6875	0-1 DRILL ROD Ø1-3/8 x 1-7/16
FB04-AMT	KSCFB06P	1.375	.865	.745	8	.8750	0-1 DRILL ROD Ø1-3/8 x 1-7/16
FB06	KSCFB07P	1.375	.990	.870	8	1.000	0-1 DRILL ROD Ø1-3/8 x 1-7/16

RB RED BARN MACHINE		REV 2
PORT. BEARING CUTTER; CUTTER		
DWG NO. T00L#(see chart)-5		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: PERRITT
TOLERANCES ON: DECIMALS XXX ± .005 XX ± .01 X ± .1		APPROVED
FRACTIONS ± 1/32 HEAT TREAT RC 55-60 FINISH SPEC BLACK OXIDE		USED ON BEARING
ANGLES ± .5° SEE CHART		
SCALE NTS	DATE 3-26-08	SHEET 4 of 6

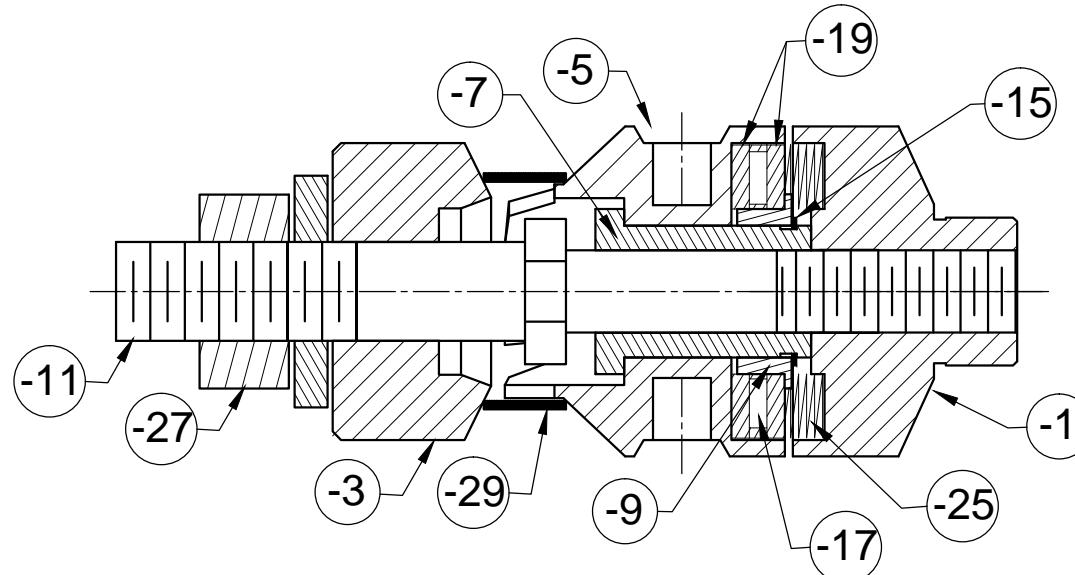


 RED BARN MACHINE	
TITLE	PORT. BEARING CUTTER; SEAT
DWG NO.	TOOL#(see chart)-3
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS	
XXX ± .005	FRACTIONS ± 1/32
XX ± .01	ANGLES ± 5°
X ± .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR. 015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE	NTS
DATE	3-26-08
SHEET	3 of 6
REV	2



 RED BARN MACHINE	
TITLE	
PORT. BEARING CUTTER; SPRING TENSIONER	
DWG NO.	TOOL#(see chart)-1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS	
XXX \pm .005	FRACTIONS \pm 1/32
XX \pm .01	ANGLES \pm 5°
X \pm .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR. 015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: PERRITT	
APPROVED	
HEAT TREAT	
FINISH SPEC BLACK OXIDE	
USED ON BEARING	
SEE CHART	
SCALE	NTS
DATE	3-26-08
SHEET	2 of 6

REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED
1	WIDENED -5 CUTTER TEETH FROM .045 TO .060.	4/28/06	WP DW
2	ADDED FB06 & FB07 TO LISTS	11/4/08	WP RW



BEARINGS & TOOLS COVERED	
BEARING #	TOOL #
BACB10 FB04-AMT	KSCFB04P
BACB10 FB06	KSCFB06P
BACB10 FB07	KSCFB07P
BACB10	
BACB10	
BACB10	

ASSY QTY	ASSY QTY	B/O	PART #	UNIT QTY	DESCRIPTION	MAT.	B/O INFORMATION OR SPECIFICATIONS	Pg.
			-1	1	SPRING TENSIONER		SEE CHART	2
			-3	1	SEAT		SEE CHART	3
			-5	1	CUTTER		SEE CHART	4
			-7	1	GUIDE		SEE CHART	5
			-9		BUSHING		SEE TABLE	5
			-11	1	STUD		SEE CHART	6
B/O		-15	1		EXTERNAL SPIRAL RETAINING RING	Ø3/8 SHAFT MCMASTER-CARR PN: 91665A340		1
B/O		-17	1		THRUST BEARING	Ø5/8 ID. x 1-1/8 OD. x 5/64 APPLIED PN: NTA-1018		1
B/O		-19	2		THRUST WASHERS	Ø5/8 ID. x 1-1/8 OD. x 1/16 APPLIED PN: TRB-1018		1
B/O		-23	1		SPANNER WRENCH	MCMASTER-CARR PN: 5475A12		N/S
B/O		-25	1		CREST TO CREST SPRING	APPLIED IND. (SMALLEY CO. PN: CS112-H2)		1
B/O		-27	1		SWIVEL HEX FLANGE NUT	BLACK SEE CHART		6
B/O		-29	1		TOOTH GUARD (FOR SHIPPING ONLY)	TUBE VINYL SEE -5 ØB PAGE 4 FOR INSIDE DIA. OF TUBE x 5/8 LENGTH		1
ASSY #								

RB RED BARN MACHINE
TITLE PORTABLE BEARING CUTTERS

DWG NO.	SEE CHART ABOVE FOR TOOL No.	REV 2
UNLESS OTHERWISE SPECIFIED	DIMENSIONS ARE IN INCHES	DRAWN BY: PERRITT
TOLERANCES ON:		APPROVED
DECIMALS		HEAT TREAT SEE PART
XXX \pm .005	FRACTIONS \pm 1/32	FINISH SPEC SEE PART
XX \pm .01	ANGLES \pm .5°	USED ON BEARING
X \pm .1		SEE CHART
UNLESS OTHERWISE SPECIFIED		
1. BREAK ALL SHARP EDGES		
.015 x 45° PR.015 R		
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		

SCALE NTS DATE 3-26-08 SHEET 1 of 6

REVISIONS					
REV	DESCRIPTION			DATE	INITIAL APPR
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NOT APPROVED FOR PRODUCTION

ASSY QTY	ASSY QTY	B/O	PART #	UNIT QTY	DESCRIPTION	MAT.	B/O INFORMATION OR SPECIFICATIONS	Pg.	TITLE	---
			-1	1	RND	6061	Ø8-1/4 x 3-7/8	2	DWG NO.	RE
									UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 FRACTIONS ± 1/32 XX ± .01 ANGLES ± 5°	DRAWN BY: PERRITT APPROVED HEAT TREAT FINISH SPEC
									USED ON MODEL	
ASSY #									SCALE NTS DATE 8-15-07 SHEET 1 of	

NOT APPROVED FOR PRODUCTION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

PART #	QTY	DESCRIPTION
-1	1	--

DRAWN BY: PERRITT	RB RED BARN MACHINE
CHECKED	
HEAT	
TREAT	
FINISH SPEC	
USED ON MODEL	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
?	TOLERANCES ON: DECIMALS .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5°
	UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES 0.015 x 45° PR. 0.015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING
DWG NO.	TITLE
SCALE NTS	PART #
REV.	DATE 1-28-06
SHEET 1 of 1	